Table 1 Database Notes

Data Collection	Data Logger: Data Collection Interval: Collection Method:	Aegis DDC 15 – Minute FTP to data.cdhenergy.com
Site Information	Cogeneration Units: Nameplate Capacity: Heat Recovery Medium: Heat Recovery Uses: Excess Heat:	Aegen TP-75LE Induction w/ Inverter 75 kW Hot Water Domestic hot water/Space Heating Rejected to atmosphere by dump radiator
DG/CHP Generator Electrical Output	Engineering Units: Energy Measurement (net/gross): Measurement Type:	kWh Net Power (calculated from gross and parasitic measurements) Accumulated kWh
DG/CHP Generator Electrical Output Demand	Engineering Units: Measurement Type:	kW Calculated : accumulated kWh/int * # intervals
DG/CHP Generator Fuel Input	Engineering Units: Measurement type:	CF Accumulated cubic feet
DG/CHP Useful Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15 minute analog flow and temperature data
DG/CHP Unused Heat Recovery	Engineering Units: Heat Measurement Type:	MBtu/hr Calculated from 15 minute analog flow and temperature data
DG/CHP Status/Runtime	Engineering Units: Measurement Type:	Hours Calculated based on generator output

Facility Purchased Energy	Engineering Units: Measurement Type:	kWh Accumulated kWh
Facility Purchased Demand	Engineering Units: Measurement Type:	kW Calculated : accumulated kWh/int * # intervals
Other Facility Gas Use	Engineering Units: Measurement Type:	- -

Table 2 Event Timeline

Date	**Event**
August 19, 2016	Data was sent to CDH Energy August 19, 2016
May 1, 2015	Website data begins August 26, 2016
February 12, 2019	System was shut down from 1/9/19 to 1/24/19 per Aegis. This resulted in a data gap on the NYSERDA DER website.
September 24, 2020	Gas data stops.
October 21, 2022	Gas data stipulated, from 9/24/20 to present, using measured power and gas prior to gas meter failure. See Appendix – Gas Calc for details.

Range Checks

Table 3. Range Checks

Data Point	Units	Hourly Data Calculation Method	Database Lower Range	Database Upper Range	Notes
DG/CHP Generator Output (WG_d)	kWh/int	Sum	0	175	
DG/CHP Generator Output Demand (WG_KW_d)	kW	Max	0	175	*WG_KW_d = WG_d * # Intervals*
DG/CHP Generator Gas Use (FG_d)	cf/int	Sum	0	300	
Total Facility Purchased Energy (WT_d)	kWh/int	Sum	0	20	
Total Facility Purchased Demand (WT_KW_d)	kW	Max	0	1200	*WT_KW_d = WT_d * # Intervals*
Other Facility Gas Use (FT_d)	cf/int	-	-	-	
Useful Heat Recovery (QHR_d)	MBtu/hr	Avg	0	2500	
Unused Heat Recovery (QD_d)	MBtu/hr	Avg	0	2500	
Status/Runtime of DG/CHP Generator (SG_d)	hr	-	-	-	
Ambient Temperature (TAO)	°F	Avg	-30	120	*WUG Airport Code - NYC*

Notes:

1. This table contains values from *beresford.csv*

Beresford Apartments – Database Notes

Relational Checks

Table 4. Relational Checks

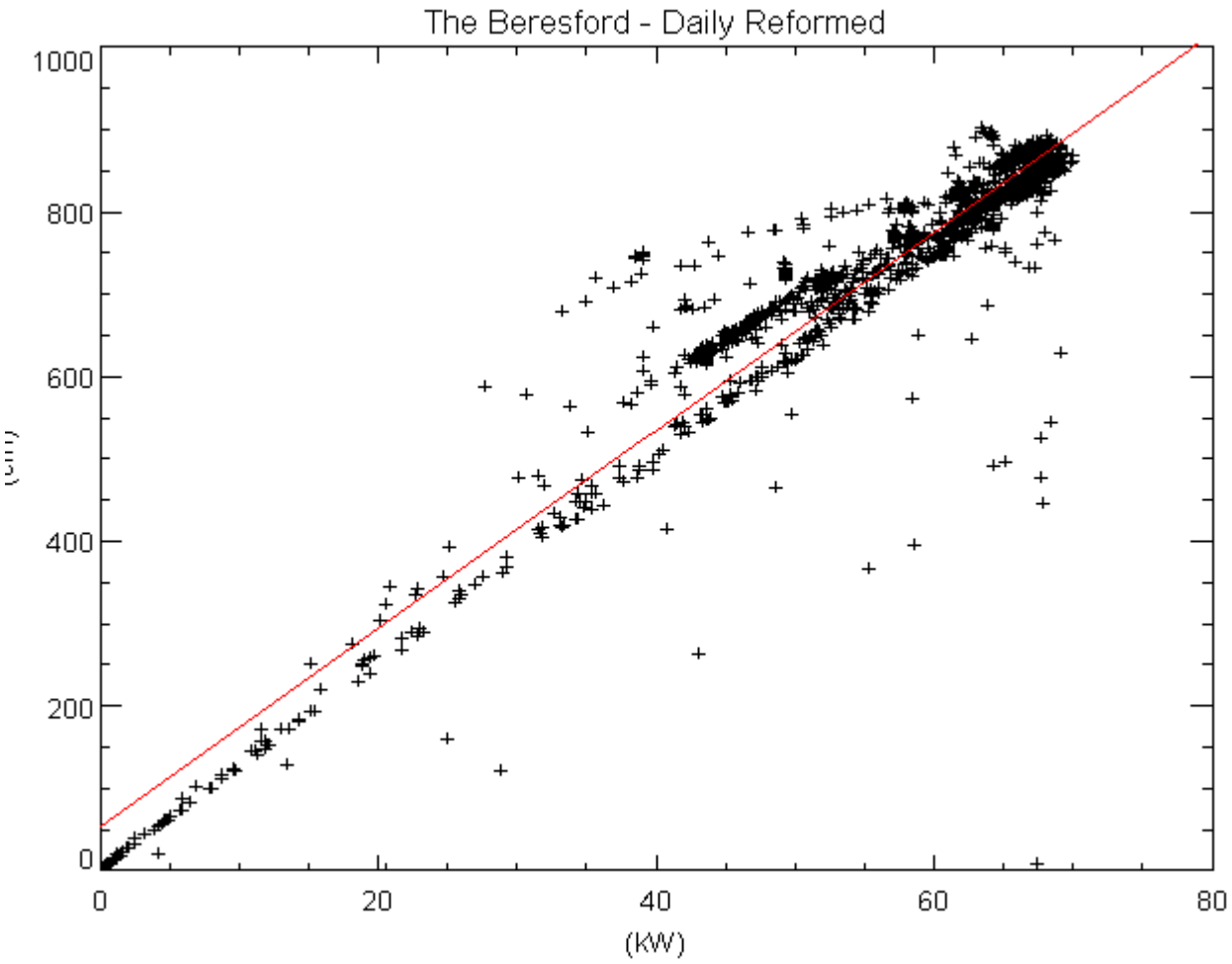
Evaluated Point	Criteria	Result

Notes:

1. This table contains values from *relational_checks.pro*

BERESFORD APARTMENTS – APPENDIX A

Gas data is calculated from power generation by using gas curve developed from the measured power and gas data, prior to the gas meter failure on 9/24/20, for the Aegen TP-75LE unit.



Power generation (WT_KW), gas consumption (FG):

FG = 12.01379(WT_KW) + 54.51330